



POLITECNICO
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Honors thesis

COURSE OF ARCHITECTURE HERITAGE
PRESERVATION AND ENHANCEMENT

Abstract

**The lighting of the Masino Castle as an instrument of
communication and enhancement**

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The purpose of the work presented here is to design an architectural light design project for the Masino Castle, a monument owned by the Fondo Ambiente Italiano (FAI), located in the Canavese area, in Piedmont. The aim of the project is to valorize properly a Castle with a high cultural value, which has an important role in the surrounding area, being an effective landmark of the territory.

The work starts with a deep analysis of three ensembles of monuments scattered around the region: the castles of the Canavese area, which share common features and history with the Masino Castle, the ensemble of Savoia Royal Residences and finally the historical monuments owned by FAI throughout the region. This kind of analysis provided an excellent overview of the historical and geographical context to which these monuments belong to, which could be used to find guidelines for the project itself.

The following step is a second analysis, this time of the Castle itself both from an historical and geographical perspective, this was crucial to understand what kind of role the building has within the surrounding area. Part of this analysis is the state evaluation of the existing lighting of the Castle, in order to assess if the existing light meet the needs of FAI during the year. The result of this complex process of analysis is the lighting project. The project is structured in three levels in order for it to be flexible and effective depending on the occasion. The three levels have increasing complexity and they are designed taking into account both the amount of people and the amount of light available in each time of the year.

The final part of the work is aimed to understand the future impact that the project would have once it is implemented. A comparison with the effectiveness of the current lighting is also provided by using an analysis Life Cycle Cost.



Scenario A: the Castle in the evening seen from afar



Scenario B: the Castle in the sunset, during his ordinary opening time



Scenario C: the Castle in the evening, during extraordinary events

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